

IN THE SPECIFICATION

Please delete the heading “**SUBJECT OF THE INVENTION**” at page 1, line 5.

Please delete the paragraph beginning at page 1, line 6.

Please add the following new headings and paragraph after the section heading “**BACKGROUND OF THE INVENTION**” and before the paragraph beginning at page 1, line 18:

1. FIELD OF THE INVENTION

The present invention relates to a device for obtaining colored video images having a three dimensional effect, and particularly to a device for producing three-dimensionally-perceived images on a monitor with multiple liquid crystal screens.

2. DESCRIPTION OF THE RELATED ART

Please add the new section headings and paragraphs after the paragraph beginning at page 2, line 15:

SUMMARY OF THE INVENTION

With the device of the present invention for producing three-dimensionally-perceived images, the images are filmed and recorded by a conventional digital video camera, and at the same time an active sonar system is used in order to define the distance or depth to the filmed objects. With the registered signals from the camera and the sonar system, which has the video images and the depth information of the

filmed objects, the device of this invention generates signals of new images, which corresponds to the different three dimensional planes that composes each image, to be displayed on a multi-layer transparent liquid crystal screens device, where the different screens are overlapped, and by displaying at the same time the superposed images only one three dimensional video image perception is provided.

These and other features of the present invention will become readily apparent upon further review of the following specification and drawings.

BRIEF DESCRIPTION OF THE DRAWINGS

Fig. 1 is a frontal view of the device for producing three-dimensionally-perceived images according to the present invention, which includes a video camera and a sonar system.

Fig. 2 is side view of the device of Fig. 1.

Fig. 3 is a perspective view of the sonar system.

Fig. 4 is a drawing of a sonar module used in the present invention.

Fig. 5 is a schematic diagram of the sonar module shown in Fig. 4.

Fig. 6 is an electronic schematic diagram of a sonar pulses scanning circuit.

Fig. 7 is an electronic diagram of an echo pulses counter circuit.

Fig. 8 is an electronic diagram of a vertical and horizontal signals synchronizer circuit.

Fig. 9 is an electronic schematic diagram of a display device to reproduce recorded video images.

Fig. 10 shows a first embodiment of a multiple overlapped LCD screens device.

Fig. 11 shows a second embodiment of a multiple overlapped LCD screens device.

Fig. 12 is a perspective view of a compact block of independent overlapped LCD screens shown broken-away and partially in section.

Fig. 13 is a schematic diagram of a recorder and player system with three tracks to record the video image together with the depth and audio signals.

Similar reference characters denote corresponding features consistently throughout the attached drawings.

Please replace the heading at page 4, line 5, with the following amended heading:

~~PREFERRED EMBODIMENT FOR THE INVENTION~~
~~OR A BETTER METHOD KNOWN TO PERFORM THE INVENTION~~

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS